

Anshuman Praharaj

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Experience

Mern Stack Intern, CREUTO – Bhubaneswar, Odisha

Dec 2025 - July 2026

- Built and shipped end-to-end product features for a **SaaS platform** using **NestJS**, **Next.js**, **PostgreSQL**, and **TypeScript**.
- Designed scalable **backend architecture** and implemented over **100 production grade REST APIs** powering authentication, invoicing, workflow automation, and business operations.
- Collaborated closely with product and design teams to rapidly iterate on customer requirements and ship **production-ready features** across **3 projects**.
- Delivered features across **four production projects** spanning backend services, frontend interfaces, third-party integrations, and internal tooling.
- Improved workflow efficiency by **50 percent** by developing a **task management system** used within an enterprise ERP.

Software Development Intern, ARANYA PARIDHI – Bhubaneswar, Odisha

June 2025 - Sept 2025

- Developed over **15 REST APIs** and designed **PostgreSQL schemas** for core marketplace features, keeping the data model clean and queries efficient.
- Created the UI of the marketplace web app using **Next.js**, including **30+ reusable UI components** and the overall marketplace layout in collaboration with the UI design team.
- Established the **application architecture**, **project structure**, and wrote guidelines for rapid product delivery, delivered the **MVP in 12 weeks**.

Projects

QueueFlow | Distributed Background Job Processing Platform

- Developed **QueueFlow**, a **distributed background job processing system** in **Node.js** and **Redis**, decoupling long-running tasks (email dispatch, image resizing, PDF generation) from the request lifecycle to eliminate API blocking and improve perceived response time by at least 30 percent.
- Engineered a **configurable per-job retry mechanism** and **structured event logging** (job received, started, completed, failed) across producer and worker services, enabling **fault-tolerant async task processing** with full observability into failure modes.
- Engineered a **concurrent worker service** using Node.js's **event-driven model** to process multiple jobs simultaneously without blocking, and exposed a **metrics REST endpoint** surfacing live queue depth, total completions, and failure counts for operational monitoring.

Brainboard | Real-Time Collaborative Whiteboard

- Built a **real-time collaboration backend** using **WebSockets**, supporting persistent room connections and **event broadcasting** for synchronized canvas state across multiple concurrent users.
- Introduced **room-based collaboration** features allowing users to create and join isolated sessions through unique room links, with **authentication**, **access controls**, and **ownership validation**.
- Integrated **persistent storage** for rooms and canvas state, enabling users to recover collaborative sessions while managing **real-time state synchronization** between connected clients.

Education

Birla Global University, Bachelor of Computer Applications

July 2023 – May 2026

Technical Skills

Backend & Databases: Node.js, Express, NestJs, FastAPI, Django, PostgreSQL, MongoDB, SupaBase, Zod

DevOps & Tools: Docker, GCP, Git, GitHub, VS Code

Languages: JavaScript, TypeScript, Python, SQL, Go lang

Frontend: React, Nextjs, Tailwind CSS, Vite, zustand, recoil

Voluntary Experience

Organizer, Google Developer Groups On Campus | Birla Global University

Sept 2024 – Sept 2026

- Led the GDG on-campus core team; planned and organized more than 20 technical events and taught programming, version control, and cloud computing to community members.
- Streamlined the event certification process by building an internal certificate generation tool, automating the creation of 100s of personalized certificates.